

REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance. The present amendment is being made to facilitate prosecution of the application.

I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1, 2, 4 and 6-18 are currently pending. Claims 1 and 16-18, which are independent, are amended. Support for this amendment is provided throughout the Specification.

No new matter has been introduced by this amendment. Changes to claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

II. REJECTIONS UNDER 35 U.S.C. §103(a)

Claims 1, 2, 4, and 6-15 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. Patent No. 7,003,792 to Yuen (hereinafter, merely “Yuen”) in view of U.S. Patent No. 946,044 to Kondo et al. (hereinafter, merely “Kondo”).

Claims 7-8, 9-12, and 15 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over Yuen in view of Kondo and further in view of Official Notice.

III. RESPONSE TO REJECTIONS

Independent claim 1 recites, *inter alia*:

“...acquisition means for acquiring first information generated based on an input of the user for controlling the processing means;

generation means for generating second information obtained by weighting the first information with a first weight and a second weight,

wherein the first information indicates a spatial resolution and a temporal resolution of the content data,

wherein the processing means calculates the prediction coefficients using the first information or the second information and generates pixel data of the high definition signal using the prediction coefficients,

wherein the value of the first weight is cumulative and is updated by adding the second weight to the first weight each time the second weight is generated, and

wherein the value of the second weight is determined according to the user’s input operation.” (Emphasis added)

In general, this invention relates to converting standard definition signals to high definition signals using prediction taps and prediction coefficients. Claim 1 recites an innovative method to generate the prediction coefficients according to user input. Specifically, the user input determines a first information (for example, see s and z at page 37 and Figure 7) that is further used together with a first weight (for example, see Dv at page 32) and a second weight (for example, see d at page 32) to calculate a second information (for example, see Sv and Zv at page 33). Then, the prediction coefficients are calculated based on the first information or the second information.

Applicants respectfully submit that Yuen and Kondo, taken either alone or in combination, fail to disclose or suggest the above-identified features of claim 1. Claim 1 recites a first weight, a second weight, and a first information that are used to calculate a second information. Claim 1 further recites calculating prediction coefficients based on the first information or the second information. None of the references discloses or suggests the above-identified features of claim 1.

For at least the foregoing reasons Applicants submit that claim 1 is patentable over Yuen and Kondo.

Since independent claims 16-18 are similar, or somewhat similar, in scope to claim 1, they are allowable.

IV. DEPENDENT CLAIMS

The other claims in this application are each dependent from one of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

Similarly, because Applicants maintain that all claims are allowable for at least the reasons presented hereinabove, in the interests of brevity, this response does not comment on each and every comment made by the Examiner in the Office Action. This should not be taken as acquiescence of the substance of those comments, and Applicants reserve the right to address such comments.

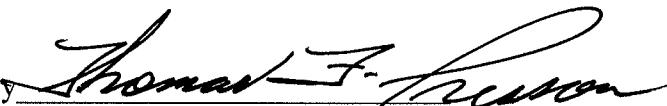
CONCLUSION

In view of the foregoing amendments and remarks, all of the claims in this application are patentable and Applicants respectfully request early passage to issue of the present application.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

Respectfully submitted,

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